

Converting Colors

XYZ(49.8079, 51.5123, 71.4191)

Have a look what the booklet for
XYZ(49.8079, 51.5123, 71.4191)
contains.

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Color

**XYZ(49.9706, 51.6783,
71.6312)**

Conversions

Conversions Part 1

Format	Color
Hex	B6BED7
RGB	182, 190, 215
RGB Percent	71%, 75%, 84%
CMY	0.2863, 0.2549, 0.1569
CMYK	0.15, 0.12, 0.00, 0.16
HSL	225°, 29%, 78%
HSV	225°, 15%, 84%
XYZ	49.9706, 51.6783, 71.6312
YIQ	190.4580, -12.7930, 6.0790

Conversions

Conversions Part 2

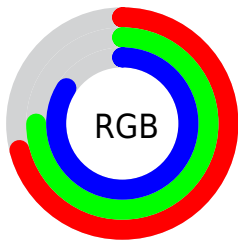
Format	Color
R_{YB}	182, 188, 215
Decimal	11976407
CIE _{Lab}	77.09, 2.31, -13.45
CIE _{LCh}	77, 13.644, 279.732
Yxy	51.6783, 0.2884, 0.2982
Android (android.graphics.Color)	4290166487 (0xFFB6BED7)
YUV	190.4580, 12.0992, -7.4177
Hunter-Lab	71.8876, -1.7242, -8.7572

Details

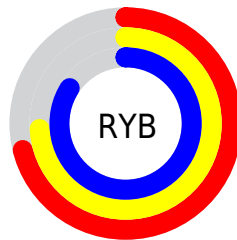
The XYZ color **49.9706, 51.6783, 71.6312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.7810, 62.4499, 53.2130**, and the grayscale version is **49.1465, 51.7060, 56.3078**.

A 20% lighter version of the original color is **86.2657, 91.3087, 107.6854**, and **24.3441, 25.0965, 36.8187** is the 20% darker color. If you saturate the color by 10%, you get **41.9453, 42.5950, 70.3017**, and if you desaturate by 10%, it is **59.1728, 61.9562, 73.1308**.

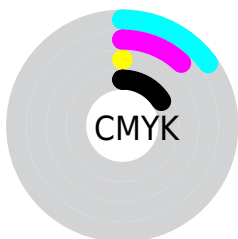
Distribution



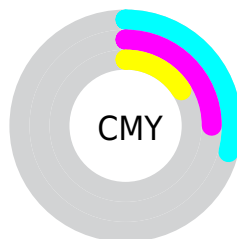
- Red (71%)
- Green (75%)
- Blue (84%)



- Red (71%)
- Yellow (74%)
- Blue (84%)



- Cyan (15%)
- Magenta (12%)
- Yellow (0%)
- Black (16%)



- Cyan (29%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9706, 51.6783, 71.6312 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 49.9706, 51.6783, 71.6312 by changing the saturation by 10% instead.

■ 49.9706, 51.6783,
71.6312

■ 49.9706, 51.6783,
71.6312

377.0048,
393.1934, 485.1999

■ 35.6077, 36.7487,
52.3725

■ 89.3234, 92.6566,
123.2349

■ 24.3001, 25.0130,
36.9178

115.0440,
119.4742, 156.4169

■ 15.6823, 16.0867,
24.8485

145.2813,
151.0231, 195.0771

■ 9.3891, 9.5855,
15.7463

180.4006,
187.6879, 239.6341

■ 5.0549, 5.1250,
9.1924

220.7673,
229.8530, 290.5063

■ 2.3146, 2.3208,
4.7683

266.7466,

■ 0.8021, 0.7847,

277.9026, 348.1123

2.0556

318.7040,
332.2213, 412.8707

■ 0.0000, 0.0000,
0.5892

■ 0.0000, 0.0000,
0.0000

■ 49.9706, 51.6783,
71.6312

■ 49.9706, 51.6783,
71.6312

■ 41.9453, 42.5950,
70.3017

■ 59.1728, 61.9562,
73.1308

■ 35.0438, 34.6557,
69.1331

■ 69.5928, 73.4639,
74.8029

■ 29.2159, 27.8157,
68.1200

■ 81.2750, 86.2433,
76.6538

■ 24.4057, 22.0247,
67.2557

■ 89.2659, 97.6864,
78.4414

■ 20.5518, 17.2284,
66.5331

■ 17.5861, 13.3672,
65.9441

■ 15.4306, 10.3743,
65.4800

■ 13.9920, 8.1726,
65.1309

■ 13.5000, 7.3746,
65.0028

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.4032, 51.6783, 70.8331



49.9706, 51.6783, 71.6312



52.3917, 51.6783, 68.0423

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.9706, 51.6783, 71.6312



53.0739, 51.6783, 47.5854



44.5665, 51.6783, 51.4427

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.9706, 51.6783, 71.6312



58.7810, 62.4499, 53.2130

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.9849, 51.6783, 45.9385



49.9706, 51.6783, 71.6312



50.8750, 51.6783, 43.8518

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.9706, 51.6783, 71.6312



54.2248, 51.6783, 53.8777



48.2765, 51.6783, 43.2768



44.3436, 51.6783, 58.7298

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.9706, 51.6783, 71.6312



53.5748, 51.6783, 63.8166



48.2765, 51.6783, 43.2768



44.9168, 51.6783, 49.3411

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.9722, 51.6804, 71.6324



87.5097, 91.6534, 107.6864



54.8248, 63.0397, 68.1506



18.5118, 19.3745, 23.0139



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.9722, 51.6804, 71.6324



70.0266, 72.0974, 104.8331



50.2924, 49.3427, 71.1642



11.9847, 12.4929, 15.7172



8.1443, 4.5504, 38.9022



0.5566, 0.4053, 2.3682

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54.0478, 51.6219, 55.8330



77.0138, 72.0896, 77.7260



58.4072, 65.2086, 53.7652



12.5455, 12.4697, 13.5468



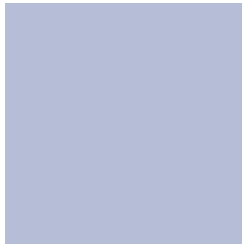
17.1697, 8.8042, 2.9319



1.0686, 0.5442, 0.3507

Previews

White Background



This preview shows how the XYZ color 49.9706, 51.6783, 71.6312 looks on a white background.

Color Contrast Check

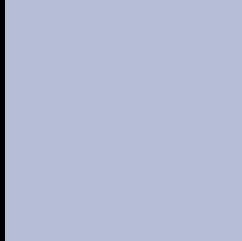
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.9706, 51.6783, 71.6312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

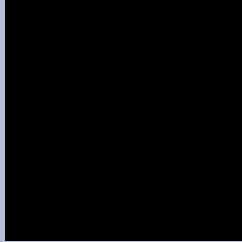
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9706, 51.6783, 71.6312

Background



This preview shows how black text looks on a background with the XYZ color 49.9706, 51.6783, 71.6312.

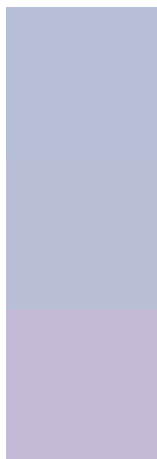


This preview shows how white text looks on a background with the XYZ color 49.9706, 51.6783,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49.9706, 51.6783, 71.6312

Protanopia

50.5849, 51.6893, 70.9293

Deuteranopia

52.7696, 51.5261, 72.1300



Tritanopia

48.9493, 51.5904, 66.4095

Trichromacy



Original Color

49.9706, 51.6783, 71.6312

Protanomaly

50.3428, 51.5645, 70.9179

Deuteranomaly

51.9032, 51.7050, 72.2102

Tritanomaly

49.3197, 51.7385, 68.3599

Monochromacy



Original Color

49.9706, 51.6783, 71.6312

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.2158, 51.5152, 61.3823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9706, 51.6783, 71.6312 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(182, 190, 215)` looks like.

```
.text, #text, p{  
    color:rgb(182, 190, 215)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(182, 190, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 190, 215) }
```

Border

The CSS property to change the border of an element to XYZ 49.9706, 51.6783, 71.6312 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(182, 190, 215) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(182, 190, 215) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(182, 190, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 190, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 190, 215);  
box-shadow:4px 4px 4px 4px rgb(182, 190,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9706, 51.6783, 71.6312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 190, 215) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(182,  
190, 215) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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